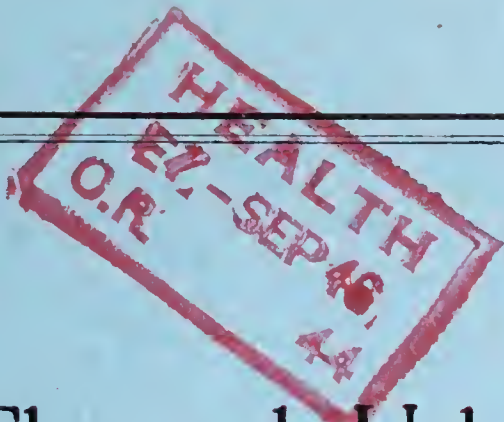
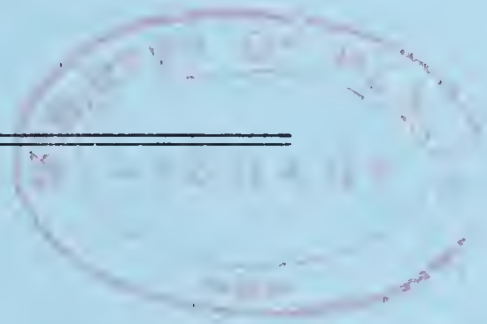


LIBRARY



THE

Thurrock Urban District Council



ANNUAL REPORT

OF THE

Medical Officer of Health

INCLUDING THE REPORT OF THE

Chief Sanitary Inspector

For the Year 1944

GRAYS.

JOHN HIGGINS, PRINTING CONTRACTOR
1946.



Digitized by the Internet Archive
in 2018 with funding from
Wellcome Library

<https://archive.org/details/b30186675>

THE
Thurrock Urban District Council

ANNUAL REPORT

OF THE

Medical Officer of Health

INCLUDING THE REPORT OF THE

Chief Sanitary Inspector

For the Year 1944

GRAYS.
JOHN HIGGINS, PRINTING CONTRACTOR
1946.

URBAN DISTRICT OF THURROCK.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

*Medical Officer of Health
and Medical Superintendent, Thurrock Hospital:*

W. T. G. BOUL, M.B.E. M.D., D.P.H.

*Deputy Medical Officer of Health
and Deputy Medical Superintendent Thurrock Hospital:*

J. T. BROWN, M.B., Ch.B., D.P.H.

Assistant Medical Officers of Health:

M. SWAIN, M.B., Ch.B., D.R.C.O.G., D.P.H.

(Resigned 15th August, 1944).

A. D. HELLER, M.D.

(Resigned 30th September, 1944).

Assistant Medical Superintendent, Thurrock Hospital (part time):

J. D. MURRAY, M.D.

Matron, Thurrock Hospital: Miss E. D. DAVIS (1, 2, 3).

Health Visitors:

Miss E DARRALL (1, 2, 3, 4)

„ J. EVE (1, 2, 3, 4)

„ J. GABRIELSEN (1, 2, 3, 4)

„ I. GIBSON

„ W. J. LUXMOORE (1, 2, 3)

(Seconded to Ministry of Health
8th December, 1942)

Miss M. HUGHES (1, 2, 3, 4)

(Appointed 11th September, 1944).

„ M. E. HYMAN (1, 2, 3, 4)

(Resigned 30th June, 1944).

„ C. LANCEFIELD (1, 2, 3, 4)

„ E. MARSHALL (1, 2, 3, 4)

„ E. C. MILLER (1, 2, 3, 4)

„ A. POLLEY (1, 2, 3)

1. General Trained;
2. Certified Midwife;

3. State Registered;
4. New Health Visitors' Certificate

Orthopædic Masseuse:

Miss M. E. WELLS, C.S.M.M.G. & M.E.

Matrons, War-time Day Nurseries :

Nursery No. 1 : Mrs. E. BROWN, S.R.N.

„ „ 2: „ E. JENKINS, S.R.N.

„ „ 3: „ I. P. MATHEWS, S.R.N.

(Resigned 17th March, 1944).

„ „ 3: Miss F. HARDWICK

(Appointed 3rd April, 1944).

Chief Sanitary Inspector : L. CULLISS (1, 2, 3)

Officer under Rats and Mice Destruction Act, 1919. Inspector under
Shops Acts.

Deputy Chief Sanitary Inspector :

H. A. GOSLING (1, 2, 3)

Sanitary Inspectors :

R. BULL (1, 2, 3) A. E. NETTING (1, 2)

E. H. WADHAMS (1, 2, 3), (*H.M. Forces*).

1. Indicates Certificate, Royal Sanitary Institute ; 2. Certificate, Inspection
of Meat and other Foods ; 3. Certificate, Smoke Inspection.

Chief Clerk : R. C. GILBERT (*H.M. Forces*).

Deputy Chief Clerk : R. L. BROWN (*H.M. Forces*).

Clerk, Thurrock Hospital : C. M. ANSELL.

Clerical Assistants :

Mrs. D. SAYERS

R. THOMPSON (*H.M. Forces*)

L. DANSIE (*H.M. Forces*)

*Mrs. F. A. JONES

Mrs. H. SMITH

*Miss I. Crooks

*Miss B. M. VINCENT

Mrs G. MILES

(Civil Defence duties only)

Miss E. M. SMITH

Mrs. V. DAVID (*part time*)

*Temporary staff replacing members in *H.M. Forces*.

Mortuary Attendant : F. J. COSBY.

All the medical staff hold joint appointments as Assistant County Medical
Officers to Essex County Council. The services of the Health Visitors are
shared with Essex County Council as School Nurses.

THURROCK URBAN DISTRICT COUNCIL

PUBLIC HEALTH DEPARTMENT,
COUNCIL OFFICES,
GRAYS, ESSEX.

TO THE CHAIRMAN AND MEMBERS OF THE
THURROCK URBAN DISTRICT COUNCIL.

Ladies and Gentlemen,

I beg to present my Annual Report for the year 1944, and my twentieth Annual Report for the district as a whole. It will be observed that, as in other wartime reports, many items of interest are omitted at the request of the Ministry of Health on grounds of national security.

Every effort has been made during the year to maintain the essential public services on as near a pre-war scale as possible. I think the Council may be satisfied that this has been done, and one or two extensions of services have been made during the period under review.

The continuation of the work of the Public Health Department has not been carried on without considerable difficulty, more of the staff of my department having left for service with H.M. Forces, and a considerable amount of time has had to be devoted to the Civil Defence Casualty Service. I am, however, very much indebted to the temporary staff who have replaced those members of the department at present absent, and wish to place on record my gratitude for the continued support of members of the Council and officials of other departments.

I am,

Your obedient servant,

W. T. G. BOUL,
Medical Officer of Health.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Land Area (in acres)	...	...	...	40,601
Product of 1d. Rate	...	...	£1,819 11	0

A summary of the chief industries in the area was given on page 4 of my Report for 1938. With the progress of the war now in its fifth year, unemployment has decreased considerably.

EXTRACTS FROM VITAL STATISTICS.

	Thurrock	England & Wales
Birth Rate per 1000 estimated resident population ...	20.3	17.6
Death Rate per 1,000 estimated resident population ...	10	11.6
Death Rate of Infants under one year of age ...	21	46
Deaths from puerperal causes:—		
Puerperal ...	1	
Other maternal causes ...	1	
Deaths from Suicide ...	5	
,, Road Traffic		
Accidents	4	
,, other violent causes	15	

(d) CLINICS AND TREATMENT CENTRES.

CLINIC.	ADDRESS.	SESSIONS.	REMARKS.
Maternity and Child Welfare	Aveley—Old Aid Post ...	Alternate Fridays, 2—3.45 p.m.	Dried Milk, Foods, &c., sold at all sessions.
	Bulphan—Henderson's Hut Lower Dunton Road	2nd & 4th Tuesdays, 2 p.m.	
	Chadwell-St.-Mary— Welfare Centre, River View ...	Every Tuesday & Wednesday, 2 p.m.	
	Corringham—Rectory, Church Rd,	Every Wednesday, 2 p.m.	
	Grays—Welfare Centre, The Park	Every Tues., Wed. & Thurs., 2 p.m.	
	Horndon—Methodist Church Hall	1st & 3rd Fridays, 2 p.m.	
	Little Thurrock—Baptist Church Hall, Lodge Lane ...	Every Monday and Thursday, 2 p.m.	
	Linford—Community House, Bata Shoe Co. Ltd., E. Tilbury	Every Wednesday, 2 p.m.	
	Orsett—The Institute ..	1st & 3rd Tuesdays, 2 p.m.	
	Purfleet—Welfare Centre, London Road	Every Tues. & Wed., 1.30 p.m.—4 p.m.	
	Stanford—St. Margaret's Hall ...	Every Thursday, 2 p.m.	
	South Ockendon—Congregational School Room ...	Alternate Fridays, 2 p.m.—3.30 p.m.	
	Tilbury—Welfare Centre ...	Every Tuesday & Thursday, 1.30 p.m.	

CLINICS AND TREATMENT CENTRES—continued

Ante-Natal	Grays	...	...	Every Thursday, 9 a.m.
	Little Thurrock	...	...	Alternate Tuesdays, 9.15 a.m.
	Stanford	...	...	Every Monday, 2 p.m.
	Tilbury	...	...	Every Wednesday, 1.45 p.m.
	Aveley	...	...	Alternate Wednesdays, 10—12 noon
Post-Natal	Grays—Welfare Centre	...	...	Every Friday, 9 a.m.
Ante-Natal and Post-Natal Exercises	Grays—Welfare Centre	...	...	Every Friday afternoon, 3.30
	Thurrock Hospital, Stifford Long Lane, Grays	...	...	Monday to Friday, 2 p.m. Afternoons
	Lansdowne Road School, Tilbury	...	...	Monday to Friday, 9 a.m. Mornings
	Grays— <i>See Ante-Natal above</i>	...	...	3rd Friday each month at 5 p.m.
Women's Welfare (Birth Control)	Grays— <i>See Ante-Natal above</i>	...	...
	Orthopaedic			
	(a) Diagnosis			
(b) After-Care	Grays—Glasson House, High Street	...	...	By Appointment (Til. 555)
	Grays— <i>See above</i>	...	...	Every Friday, 9.30—12 noon and 2—4.30 p.m.
Tuberculosis Dispensary				2nd & 4th Monday, 2—4.30 p.m.
	Thurrock Hospital ...	...	...	Monday, Wednesday, Friday, 10—12
				Clinic held jointly by Essex County Council & Thurrock U.D.C.
				Provided by Essex County Council.

CLINICS AND TREATMENT CENTRES—continued

CLINIC.	ADDRESS.	SESSIONS.	REMARKS.
School Clinics	Grays—Glasson House, High Street	Minor Ailments, Daily 9 a.m., except Tues. Inspections, every Wed., 9.30	Provided by Essex County Council. Closed during School holidays.
	Tilbury—Welfare Centre	Minor Ailments—Tues. & Fri., 9 a.m. Inspections—Friday, 9 a.m. Tuesday, 10 a.m.	
	Aveley—Secondary School	Friday, 10 a.m.	
	Stanford—Council School	Minor Ailments—Mon. & Thur. 9 a.m. Inspections—1st Thursday, 9 a.m.	
Eye Clinic	Grays—Glasson House, High Street	Every Monday, 10—12	Provided by Essex C.C. Closed during School holidays. Refractions by appointment only.
Dental Clinic	Grays—Glasson House	Daily Consultations—Thursdays 10.30-noon	Provided by Essex C.C. Closed during School holidays. All treatment by appointment only
Venereal Diseases	Gravesend—22 Cobham Street...	Monday, Wednesday and Friday: Women, 9 to 12 noon, 2 to 4 p.m.; Men, 6 p.m. to 7 p.m. Tuesday: Men, 10.30 a.m. to 12.30 6 to 7 p.m.; Women, 1 to 2 p.m. Thursday: Women, 2 to 3.45 p.m.; Men, 3.45 to 5 p.m. Saturday: Women, 9.30 to 12 noon; Men, 1 to 2 p.m.	Provided by Kent County Council. Essex patients may attend free of charge.
Diphtheria Immunisation Clinic	Grays—Welfare Centre, The Park Tilbury—See Welfare Centre Stanford—See Welfare Centre	Every Friday, 2 p.m. Every 3rd Friday, 2 p.m. 3rd Monday, 10 a.m.	Patients seen by appointment only.
Ultra Violet Light Clinic.	Grays—Welfare Centre, The Park	Every Monday, 2 p.m. Every Wednesday, 9.30 a.m. Every Friday, 9.30 a.m.	Patients seen by appointment only.

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES
IN THE AREA.

1. (i) PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

These are set out at the commencement of this Report.

(ii) (a) LABORATORY FACILITIES.

The District is now supplied, under the Bacteriological Service for this area, at St. Andrew's Hospital, Billericay.

The services, which are available, cover those which are normally provided by a Pathological Department.

(ii) (b) AMBULANCE SERVICE (Phone: Tilbury 2000).

The facilities offered by the Thurrock Council's Service are proceeding according to plan. Two modern ambulances carried patients to most of the prominent hospitals in London and the Home Counties, the longest journey being made to Middlesbrough, a round trip of approximately 480 miles.

In October, 1944, the St. John's Ambulance Brigade's two ambulances were withdrawn from joint working with the Council, arrangements being made for two A.R.P. ambulances to be supplied in their place.

In December, on a new ambulance joining the Council's service, one A.R.P. ambulance was withdrawn.

1,509 patients made use of the facilities available, 37,471 miles being covered without a mishap, during air raid alerts, air raids, fog, snow, and other abnormal conditions of a nation at war.

(ii) (c) NURSING IN THE HOME.

There are within the district eight Nursing Associations serving South Ockendon, Aveley, Purfleet, West Thurrock, Grays, Stifford, Little Thurrock, Chadwell-St.-Mary, Tilbury, Stanford-le-Hope and Bulphan. In addition, the Grays Medical Comforts Committee continued its useful work during the year.

(ii) (e) HOSPITALS—PUBLIC AND VOLUNTARY.

The following hospitals exist in the Urban District: Seamen's Hospital, Tilbury (general); Orsett Lodge Hospital (Essex County Council and general); Thurrock Hospital (infectious diseases and tuberculosis).

The normal peace-time accommodation has been reported upon annually up to 1938. In my report for the year 1945 detailed facts will be given concerning war-time activities of the Hospitals outlined above. It will be sufficient to say in this report that the Hospital accommodation of this district is unsatisfactory.

One of the immediate requirements of the post-war period will be the erection of a modern general hospital with maternity accommodation, etc.

Thurrock I.D. and E.M.S. Hospital (Infectious Diseases only).

The following tables show the admissions and discharges during 1944.

		In Hospital Jan. 1st	Admitted	Discharged	Deaths	Remaining in Hospital
Scarlet Fever	...	22	122	137	1	6
Diphtheria	...	—	32	27	2	3
Pneumonia	...	3	43	40	3	3
Meningitis	...	1	17	15	3	—
Erysipelas	...	3	9	12	—	—
Impetigo	...	—	10	9	—	1
Streptococcal Infection	...	2	60	57	1	4
Mumps	...	—	7	7	—	—
Typhoid	...	—	1	1	—	—
Measles	...	—	23	23	—	—
Malaria	...	1	1	2	—	—
Pemphigus	...	—	2	2	—	—
Chicken Pox	...	—	9	9	—	—
Scabies	...	—	4	3	—	1
Whooping Cough	...	—	1	1	—	—
Dysentery	...	2	19	21	—	—
Enteritis	...	1	26	22	4	1
Urticaria Rash	...	1	1	2	—	—
Diarrhoea	...	—	3	3	—	—
Quinsy	...	—	1	—	1	—
		36	391	393	15	19

THURROCK I.D. AND E.M.S. HOSPITAL.

AVERAGE NUMBER OF PATIENTS IN HOSPITAL IN 1944

		Thurrock I.D.	E.M.S.
January ...	...	32	59
February ...	...	32	48
March ...	...	34	42
April ...	...	30	53
May ...	...	17	71
June ...	...	17	77
July ...	...	19	67
August ...	...	19	75
September ...	...	13	54
October ...	...	16	60
November ...	...	14	78
December ...	...	14	76

Cases treated on E.M.S. side of Thurrock Hospital :—

No.	Patient Days	Air Raid Casualties (In patients)
1035	22,648	101

Mileage covered by Hospital Van : 7,424 miles.

3. MATERNITY AND CHILD WELFARE.

(i) *Midwifery and Maternity Services.*

Employed by Thurrock U.D.C. ... 10 midwives

„ „ Voluntary Nursing Associations 9 „

The following details relate to work performed by the Council's midwives :—

Confinements attended ... 616

Visits paid as midwives :—

(a) ante-natal ... 2574

(b) post-natal ... 5587

Visits paid as maternity nurses :—

(a) ante-natal ... 1261

(b) post-natal ... 3941

(ii) *Institutional provisions for Mothers and Children.*

The Council has agreements with the following hospitals for the reception of maternity patients:—

(a) suffering from complications occurring before, during or after confinement, and

(b) whose home conditions or other circumstances render hospital treatment necessary.

	ADMISSIONS
Southend Municipal Hospital, Rochford, Essex ...	nil
Oldchurch Hospital, Romford ...	118
Danbury Park War Emergency Hospital, Essex ...	46
Rush Green Hospital, Romford (puerperal cases only)	7
St. John's Hospital, Chelmsford ...	124
Thurrock I.D. and E M.S. Hospital, Grays ...	—
Queen Mary's Hospital, Stratford, E.15 ...	nil
London Hospital Annexe, Brentwood ...	1

(iii) *Health Visitors.*

These are enumerated in the list of officers at the front of this report.

VISITS PAID BY HEALTH VISITORS.			First Visits	Total Visits
To expectant mothers ...	...	233	452	
To children under 1 year ...	...	1095	4029	
To children aged 1-5 years ...	...	181	4269	
Infant Life Protection visits...	...		156	
Miscellaneous visits ...	...		379	

WOMEN'S WELFARE CLINIC.

During the year 1944, it was not found possible to hold this clinic and arrangements were come to with a neighbouring Authority whereby patients from this district attended thereat, the Council assuming financial responsibility for all purchases.

POST NATAL CLINIC.

Sessions held ...	26	New Patients ...	55
Total attendances ...	169		

ULTRA VIOLET LIGHT CLINIC.

Opened November, 1943. Sessions held ...	...	61
Treatments—(a) Children ...	1931	(b) Adults ... 1411

INFANT WELFARE CENTRES.

Centre	Sessions held	First Attendances		Total Attendances	
		Under 1 year	1-5 years	Under 1 year	1-5 years
Aveley	26	54	—	530	199
Bulphan	23	12	9	77	100
Chadwell-St.-Mary	104	66	13	1974	1408
Corringham	92	77	—	1367	801
Grays	158	217	17	3903	1783
Horndon	24	14	2	143	159
Linford	48	30	11	53	482
Little Thurrock ...	96	151	4	3003	1868
Orsett	23	4	—	54	73
Purfleet	51	35	7	866	533
Stanford-le-Hope...	52	82	—	1201	629
South Ockendon ...	26	29	5	367	657
Tilbury	108	141	19	1472	506
West Thurrock ...	52	53	—	1102	478

ANTE-NATAL CLINICS.

CLINIC			Sessions Held	Total Attendances	New Patients
Aveley	...	...	25	320	51
Grays	...	...	51	1393	225
Little Thurrock	...	...	56	1249	200
Stanford-le-Hope	...	...	47	691	132
Tilbury	...	...	52	781	170
West Thurrock	...	...	28	461	82

(iv.) CHILD LIFE PROTECTION.

Foster Mothers on register at end of year	...	23
Infants on register at end of year...	...	24

(v.) DENTAL TREATMENT. ORTHOPAEDIC TREATMENT.

These facilities have been described fully in previous reports and no changes have occurred.

(vi.) WAR-TIME NURSERIES.

The Council maintain three War-time Nurseries. No. 1, Palmer's Avenue, Grays, opened 17-8-42; No. 2, London Road, West Thurrock, opened 19-7-43; No. 3, Whitehall Lane, Grays, opened 11-10-44.

During the year under review the Nurseries became more popular with the public. The accommodation is as follows:—

Nursery No. 1	...	...	40
„ No. 2	...	...	50
„ No. 3	...	...	42

The average number on books at each Nursery was as follows:—

Nursery No. 1	...	...	36
Nursery No. 2	...	...	35
Nursery No. 3	...	...	36

(vii.) CLEANLINESS.

During the year under review, all steps have been taken to improve the general standard of cleanliness. Special efforts have been made by the Health Visitors in Welfare Centres, and in Home Visiting to deal with the problem, and the Council have now two special clinics available for the treatment of Scabies. The times of such clinics are outlined in a previous portion of this report.

The addresses of the clinics are at Thurrock Hospital and Lansdowne Road, Tilbury.

SANITARY CIRCUMSTANCES OF THE AREA.

Section C.

I. (i.) WATER.

The principal sources of supply have been enumerated in previous reports and no alteration in the same has occurred during the year. The Department has an arrangement with the South Essex Waterworks Company whereby the latter are notified immediately of the occurrence of any case of Typhoid Fever, in order that a sample of water may be taken from the household's supply.

(ii.) DRAINAGE AND SEWERAGE.

There was no important extension under this heading during 1944.

2. RIVERS, STREAMS AND TIDAL CREEKS.

The principal stream in this area is the Mar Dyke, which rises near the Langdon Hills near Bulphan, flows through Orsett Fen and discharges into the Thames at Aveley. Owing to it being silted up in many places, it is not now navigable, but in former times it was used by sailing barges.

Other tidal creeks, on which many interesting varieties of wild fowl and birds may be seen, are at Fobbing, which is navigable from Fobbing Wharf to Vange Creek at high tide, this wharf at one time was one of the principal wharves for corn and bricks in Essex.

Mucking Creek is navigable at various states of the tide and is used by ballast barges.

The banks of the River Thames, which forms the Southern Boundary of the Urban District, covers 18 miles of water frontage.

3. (i.) CLOSET ACCOMMODATION.

There are 498 cesspools and 705 pail closets and these are being converted as the opportunity arises.

(ii.) SANITARY INSPECTION OF THE AREA.

The following report has been furnished to me by the Chief Sanitary Inspector in accordance with Article 27 (18) of the Sanitary Officers (Outside London) Regulations, 1935.

	Visits paid
Dwelling houses	1536
Houses Recorded under Housing Regulations, 1925	Nil
Housing Act—Overcrowding	45
Infectious Diseases	572
Common Lodging Houses	Nil
Caravans	1
Factories (Mechanical)	22
Factories (Non-Mechanical)	3
Workplaces	6
Outworkers	Nil
Cowsheds, Dairies and Milkshops	228
Fried Fish Shops	6
Butchers' Shops	40
Food Preparation Premises	31
Meat Inspection and Slaughterhouses	73
Food Inspections	238
Swimming Bath	10
Ice Cream Premises	1
Water Supplies	Nil
Stables, Pig Styes and Accumulations	53
Refuse Tips	10
Shops Acts, 1934	6
Shops Acts, 1912	1
Samples (Food and Drugs)	584
Applications for Council Houses... ..	158
Rat Suppression	1191
Dustbins	110
Schools	Nil
Water Sampling	16
Milk (Sampling)	733
Rinsings (do.)	42
River Pollution Prevention	Nil
Civil Defence	258
Miscellaneous	731

SMOKE ABATEMENT.

No formal action was taken during the year.

MILK PRODUCTION.

The number of milk producing farms in this district is 58.

The following improvements were effected at the various farms :—

New bottle filling machines	...	..	I
New washing up rooms	...	...	I
Separate cooling rooms provided	...	...	I
New stalls	...	...	3
Walls rendered	...	...	3
New channels	...	...	I
Improved drainage	...	...	I
Additional ventilation	...	...	I
Improved lighting	...	...	3
Cleanliness	...	...	4

Retail Dairies and Milkshops.

There are within the area 26 registered dairies as defined by the Milk and Dairies Order, 1926, and 73 registered persons who retail milk in the sealed receptacles in which it is received at the premises. In addition to the foregoing, three outside firms carry on a vehicular trade within the district.

Arising out of application for bottling licenses for Tuberculin Tested milk, there were two instances where dairies were extended and equipment provided, to ensure separate treatment of the milk.

Milk Special Designations Order, 1936-43.

Number of dealers licensed to sell :—

(a) Accredited Milk	...	...	4
(b) Tuberculin Tested Milk	...	...	11
(c) T.T. Pasteurised	...	...	Nil
(d) Pasteurised	...	...	8

1. Pasteurising Plants.

There is one pasteurising plant in the district with a capacity of 500 gallons per hour.

2. Samples (Pasteurised)

Pasteurised Milk Bacteria per ml.	Phosphatase Test Reaction under 2·3		Satisfactory
Less than 100	...	1·5	Yes
500	...	1·5	„
900	Less than	1·5	„
1,200	Under	1·5	„
3,000	...	2·3	„
3,000	... Over	2·3	No
3,100	...	2·3	Yes

Pasteurised Milk Bacteria per ml.	Phosphatase Test Reaction under 2·3		Satisfactory
2,320	...	—	Yes
5,400	Under 2·3		„
10,000	...	—	„
16,000	...	—	„
192,000	...	2·3	No
268,000	...	1·5	„
Over 1,000,000 (2 samples)		1·5	„

NOTE.—Investigations relative to the sample which failed to pass the phosphatase test showed that owing to a delivery delay, one of the pasteurising holder tanks remained empty for a period of twenty minutes during the pasteurising process, with the result that when the preheated milk was passed into it at a temperature of 149°F the milk was cooled to a temperature of 145°F, due to the cooling of the holder tank during the enforced break.

The four unsatisfactory samples of pasteurised milk from the view point of bacterial count, formed part of a batch of samples which were taken at the end of 1943 and at the beginning of 1944, and were the subject of a report in the annual report of 1943. The answer in brief is unsatisfactory, in-going milk plus overloading of the plant.

3. Samples (Ungraded).

Bacterial Count.	Bacillus Coli.	No. of Samples
0—50,000	Absent in 1·0 ml.	13
50,000—100,000	Absent in 1·0 „	1
100,000—200,000	Absent in 1·0 „	2
Over 200,000	Absent in 1·0 „	1*
0—50,000	Absent in 1 „	1
50,000—100,000	Absent in 1 „	—
100,000—200,000	Absent in 1 „	—
Over 200,000	Absent in 1 „	3*
0—50,000	Absent in 0·01 „	1
50,000—100,000	Absent in 0·01 „	—
100,000—200,000	Absent in 0·01 „	2
Over 200,000	Absent in 0·01 „	—
0—50,000	Present in 0·01 „	2*
50,000—100,000	Present in 0·01 „	1*
100,000—200,000	Present in 0·01 „	1*
Over 200,000	Present in 0·01 „	3*
0—50,000	Present in 0·001 „	—
50,000—100,000	Present in 0·001 „	—
100,000—200,000	Present in 0·001 „	—
Over 200,000	Present in 0·001 „	2*

* Unsatisfactory.

With regard to the foregoing thirteen bad samples, it is quite clear that these were due to either negligent milking technique or lack of proper sterilising, and although the farms were visited, it is difficult to bring it home to specific instances.

Samples (Graded).

Thirteen samples of Tuberculin Tested milk and Accredited milk have been taken during the year, of these three were unsatisfactory.

The three foregoing unsatisfactory samples were the subject of a separate investigation whereat it was disclosed that certain instances of negligence were committed. These were rectified and thereafter satisfactory samples were forthcoming.

Rinsings.

Article	Bacterial Count per ml.	Coliform
Bottles - $\frac{1}{3}$ pint	I S	Absent
	O	"
	O	"
	O	"
Bottles— $\frac{1}{2}$ pint	I S	—
	I	—
	I	—
Bottles—I pint	I S	—
	I S	—
	I S	—
	I S	Absent
	I S	"
	O	"
	I S	—
	I S	—
Other Utensils—		
17 gallon churn	33,500 S	—
Bucket	130,000 U.S	—
Milking pail	19,500 U.S	—
4 gallon milking unit	194,000 U.S	—
Cooler	4,500 U.S	—

S—Satisfactory. U.S—Unsatisfactory.

The unsatisfactory samples were followed up.

National Milk Testing and Advisory Scheme.

The above mentioned scheme is operated by the Essex War Agriculture Executive Committee, the Council acting as their agents.

During the year 663 samples of milk have been taken, with the undermentioned results:—

Resazurin Disc No.		No. of Samples	
Category A	6	...	79
	5½	...	0
	5	...	248
	4½	...	125
Category B	4	...	110
	3½	...	20
	3	...	24
	2½	...	15
Category C	2	...	5
	1½	...	1
	1	...	0
	½	...	11
	0	...	15

Unsatisfactory samples should be followed up by the above mentioned Essex War Agricultural Executive Committee.

TUBERCULOSIS.

Milk—Biological Test. Food and Drugs Act, 1938, Section 25.

During the year 24 samples of milk were taken and submitted to the Biological Test. Of these 19 were returned negative and 4 were not determined owing to the premature death of the guinea pig, whilst one sample was shown to be positive. Those samples not determined for the reason shown were repeated, with negative results. In connection with the positive sample, the Milk Marketing Board was immediately contacted and an undertaking was given to have the milk from that farm pasteurised prior to sale. In addition, the Divisional Veterinary Officer was notified.

In selecting milk for samples for biological tests regard was had as to whether the milk from that particular farm was retailed to the public in its raw state. Milk which was subsequently heat treated was not sampled.

WATER SAMPLES.

Nine samples of water were taken during the year from the South Essex Waterworks Company's mains and submitted for bacteriological examination, all were satisfactory. Two samples were also taken from the same source and submitted for bacterio-

logical and chemical examination. The total hardness in one case was 34 parts per 100 000, of which 20 parts were temporary and 14 permanent. In the second instance the total hardness proved to be 28·5 parts per 100,000 of which 16·0 parts were temporary and 12·5 permanent.

In addition to the foregoing, three samples of water were taken from wells. In one case the result showed the water to be unfit for drinking purposes and the matter was taken up with the owner. A connection to the adjacent water main was subsequently made. The remaining two were satisfactory.

Public Swimming Bath.

Six water samples were taken during the season May to September, one being unsatisfactory. This unsatisfactory sample was attributable to a change of routine. The former routine was reverted to and no further unsatisfactory samples were obtained.

MEAT INSPECTION.

Carcases Inspected and Condemned.

		Cattle excluding Cows	Cows	Calves	Sheep & Lambs	Pigs	Goats
Number killed	...	Nil	Nil	Nil	7	79	Nil
Number inspected	...	Nil	Nil	Nil	7	79	Nil
All diseases, except Tuberculosis							
whole carcasses condemned	...	Nil	Nil	Nil	Nil	Nil	Nil
Carcases of which some part or							
organ was condemned	...	Nil	Nil	Nil	Nil	1	Nil
Percentage of the number inspect-							
ed affected with disease, other							
than Tuberculosis ...	...	Nil	Nil	Nil	Nil	1·2	Nil
Tuberculosis only, whole car-							
cases condemned	...	Nil	Nil	Nil	Nil	Nil	Nil
Carcases of which some part or							
organ was condemned	...	Nil	Nil	Nil	Nil	4	Nil
Percentage of the number in-							
spected affected with Tuber-							
losis ...	...	Nil	Nil	Nil	Nil	5·0	Nil

Unsound Meat Surrendered.

31lbs. of meat were confiscated.

Slaughterhouses.

There are no registered slaughterhouses in the area, but there are 16 licenced slaughterhouses. No regular slaughtering now occurs, the Government Slaughterhouses being closed down from May, 1943.

Knackers Yards.

There is one Knackers Yard in operation in the district. As in 1943 an application for a further Knackers Yard was refused by the Council, but its decision was reversed by the Local Court of Summary Jurisdiction. As consent under the Town and Country Planning Interim Development Act is involved the matter is *sub judice*.

Miscellaneous Other Foods Surrendered.

Milk	...	...	...	2517 tins
Meat	...	...	...	308 tins
Fish Oil	...	...	...	1 $\frac{1}{4}$ cwt.
Dried Fruits	...	...	...	73 lbs.
Tea	...	...	...	42 $\frac{1}{4}$ lbs.
Suet	...	...	...	4 $\frac{1}{2}$ lbs.
Vinegar	...	...	...	$\frac{1}{2}$ barrel
Cordial	...	...	...	6 bottles
Glycerine	...	...	...	1 bottle
" All Bran "	...	...	...	2 pkts.
Beef	...	...	...	373 lbs.
Jams and Marmalade	...	...	...	42 tins & jars
Vegetables	...	...	...	56 tins
Beans	...	...	...	180 tins
Fish	...	...	...	2161 tins
Butter	...	...	...	67 lbs.
Cheese	...	...	...	10 lbs.
Meat and Fish Paste	...	...	...	18 jars
Soup	...	...	...	12 tins
Gravy Powder	...	...	...	4 pkts.
Peas	...	...	...	30 tins
Eggs	...	...	...	955
" Master Mix "	...	...	...	20 tins
Lentils	...	...	...	23 lbs.
Semolina	...	...	...	27 lbs.

Chocolate and Sweets	...	13 $\frac{1}{4}$ lbs.
Cake and Pudding Mixture	...	86 tins & pkts.
Fish ...	...	602 lbs.
Sausages	...	78 lbs.
Ham and Bacon	...	478 $\frac{1}{4}$ lbs.
Tripe ...	...	103 lbs.
Fruit ...	...	9 tins
Mutton and Lamb	...	35 $\frac{1}{4}$ lbs.
Pork ...	...	623 $\frac{3}{4}$ lbs.
Fish Cakes	...	144
Roast Fowl (Canned)	...	113 lbs.
Cake ...	...	38 $\frac{3}{4}$ lbs.
Four ...	...	30 $\frac{1}{2}$ cwts.
Margarine	...	34 $\frac{1}{2}$ lbs.
Lard ...	...	12 lbs.
Sugar ...	...	21 lbs.
Peas ...	...	174 lbs,
Rice ...	...	73 lbs.
Dried Egg Powder	...	13 lbs.
Spice ...	...	1 drum
Pickles ...	...	1 jar
Potatoes	...	308 lbs.
Salad Dressing	...	1 bottle
Custard Powder	...	7 lbs.
Split Peas	...	3 lbs.
Sauce ...	...	4 bottles
Haricot Beans	...	6 lbs.
Soya Flour	...	7 $\frac{1}{2}$ lbs.
Rolled Oats	...	15 $\frac{1}{4}$ lbs.
Coffee ...	...	4 bottles
Barley ...	...	7 lbs.
Beef Cubes	...	112 pkts.
Biscuits ...	...	5 $\frac{3}{4}$ lbs.
Junket Powder	...	1 pkt.
Liquid Paraffin	...	1 bottle
Stuffing ...	...	1 pkt.
Macaroni	...	1 $\frac{1}{2}$ lbs.
Cocoa ...	...	2 $\frac{1}{4}$ lbs.
Bicarbonate of Soda	...	12 pkts.
Baking Powder	...	4 pkts.

Slaughter of Animals Act, 1933.

A register of all licensed slaughtermen, pursuant to Section 3 (1) of the above mentioned Act is kept and the number so licensed is 17.

CLOSET ACCOMMODATION.

Number of cesspools now existing in the district	498
Number of pail closets and privies ...	705

VERMINOUS PREMISES.

Number of houses found to be infested	10
---------------------------------------	----

This does not include houses on the Council's estates which are supervised by the Council's Housing Department as a matter of routine.

Methods employed for freeing infested houses from bed-bugs :

The taking down of all detachable woodwork, firing with a blow-lamp and spraying with a proprietary insecticide.

Methods employed for ensuring the belongings of prospective tenants of Council Houses are free from vermin :—

The belongings of prospective Council House tenants are inspected by the members of the Public Health staff and the circumstances disclosed reported upon to the Housing Department. If vermin are found to be present, the tenant is not accepted until conditions have been remedied. The tenant is usually loaned the requisite plant and vermicide by the Public Health Department.

The disinfestation of private houses is carried out by the owners or occupiers under the supervision of the Local Authority, whilst disinfestation of Council houses is undertaken by the Housing Department of the Local Authority.

SECTION D.

HOUSING.

I. INSPECTION OF DWELLING HOUSES.

(1) (a) Total number of dwelling-houses inspected for defects (under Public Health or Housing Acts) ...	330
(b) Number of inspections made for that purpose ...	1536
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under Housing Consolidation Regulations, 1925 ...	Nil
(b) Number of inspections made for that purpose ...	Nil

(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	Nil
--	-----	-----	-----	-----

(4) Number of dwelling-houses (exclusive of those referred to under the previous sub-head) found not to be in all respects fit for human habitation	288
---	-----	-----	-----	-----

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	142
---	-----	-----	-----	-----	-----

3. ACTION UNDER STATUTORY POWERS.

(A) *Proceedings under Section 9, 10 and 16 of the Housing Act, 1936:—*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs...	Nil
--	-----	-----	-----	-----

(2) Number of dwelling-houses which were rendered fit after service of formal notices:—

(a) By Owners	1
---------------	-----	-----	-----	-----	---

(b) By Local Authority in default of Owners	Nil
---	-----	-----	-----	-----

(3) Number of dwelling-houses in respect of which notices were served under the Council's Housing Byelaws	1
---	-----	-----	-----	-----	---

(4) Number of dwelling-houses rendered fit as a result thereof...	Nil
---	-----	-----	-----	-----	-----

(B) *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	9
--	-----	-----	-----	-----	---

(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—

(a) By Owners	18
---------------	-----	-----	-----	-----	----

(b) By Local Authority in default of Owners	Nil
---	-----	-----	-----	-----

(C) *Proceedings under Sections 11 and 13 of the Housing Act, 1936.*

(1) Number of houses in respect of which Demolition Orders were made	...	...	...	1
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	...	...	...	Nil
(3) Number of dwelling-houses in respect of which undertakings not to re-let have been accepted	...	...	...	Nil
(4) Number of houses in respect of which undertakings to render fit were accepted	...	...	...	Nil

(D) *Proceedings under Section 12 of the Housing Act, 1936.*

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	...	...	...	Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	...	...	Nil

I. FACTORIES AND WORKPLACES.

Inspections made by Sanitary Inspectors.

Premises I	Number of		
	Inspec- tions 2	Written Notices 3	Occupiers Prosecuted 4
Factories with Mechanical power	22	3	—
Factories without " "	3	Nil	—
Other Premises under the Act (including works of building and engineering construction but not including outworkers premises) ...	Nil	Nil	—
	25	3	—

2. DEFECTS FOUND
in Factories and Workplaces.

Particulars I	Number of Defects			Number of Offences of which Prose- cutions were instituted 5
	Found 2	Reme- died 3	Referred to H.M. Inspector 4	
Want of cleanliness (S. 1) ...	2	—	—	—
Overcrowding (S. 2) ...	—	—	—	—
Unreasonable temperature (S. 3) ...	—	—	—	—
Inadequate ventilation (S. 4) ...	—	—	—	—
Ineffective drainage of floors (S.6)	—	—	—	—
Sanitary Conveniences (S. 7) :—				
Insufficient ...	—	I	—	—
Unsuitable or defective	I	I	—	—
Not separate for sexes	—	—	—	—
Other offences ...				
(Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops transfer of Powers) Order, 1921, re-enacted in the Third Schedule of the Factories Act, 1937)	—	—	—	—
Total ...	3	2	—	—

LIST OF WORKS EXECUTED.

Dampness remedied ...	...	...	...	30
ROOMS :				
Stripped, cleansed and redecorated ...	...	...	...	49
Plaster repaired ...	...	...	...	76
Floors repaired ...	...	...	...	28
Windows repaired, renewed or extended	...	...	...	27
Stoves repaired or renewed ...	...	...	...	19
Doors, locks, &c. ...	...	...	...	12
Vermin disinfested ...	...	...	...	7
Ventilated food stores and repairs	...	...	...	1
STAIRCASES :				
Stripped and redecorated ...	...	...	...	3
Handrails fixed ...	...	...	...	1
Lighting provided ...	...	...	...	—
Repairs ...	...	...	...	2
SANITARY FITMENTS :				
New sinks, &c. ...	...	...	...	—
Coppers provided or repaired	...	...	...	9
Pail and earth closets abolished	...	...	...	—
W.C.'s provided or substituted	...	...	...	2
W.C.'s repaired or renewed ...	...	...	...	15
New pedestals ...	...	...	...	3
Waste-water pipes repaired or renewed...	...	...	...	7
Soil or vent pipes repaired or renewed ...	...	...	...	9
New cesspools ...	...	...	...	—
DRAINS :				
Unstopped or repaired ...	...	...	...	46
New drains ...	...	...	...	2
Gullies repaired or renewed ...	...	...	...	3
Inspection Chambers repaired or provided	...	...	...	4
WATER SUPPLIES AND FITTINGS :				
Wells abolished ...	...	...	...	—
New services ...	...	...	...	1
Repaired or renewed	...	...	...	6

EXTERNAL WORKS :

Roofs repaired or renewed	...	...	...	59
Gutters and rainwater pipes repaired or renewed	...	...	...	21
Walls repaired or renewed	...	...	...	5
Yards repaired or paved	...	...	...	4
Dustbins provided	...	...	...	32
Accumulations removed	...	...	...	2
Miscellaneous	...	...	...	11

HOUSING ACT, 1936—OVERCROWDING.

During the year 45 visits were made from which it was ascertained that 18 cases of overcrowding occurred. These were referred to the Housing Department for Council Houses when available.

FOOD AND DRUGS REPORT.

Article	Formal Samples	Genuine	Not Genuine
Syrup of Figs	2	2	...
Mustard	3	3	...
Butter	2	2	...
Pork Roll	1	1	...
Sausage & sausage meat	12	12	...
Cocoa	2	2	...
Jam	1	1	...
Sauce & Pickles	4	4	...
Beans & tomato sauce	1	1	...
New milk	112	91	3 (18 broken or delayed in transit)
Chocolate spread	1	1	...
Rice	1	1	...
Lard	5	5	...
Fish and meat paste	4	4	...
Pearl barley	1	1	...
Epsom salts	1	1	...
Petroleum jelly	1	1	...
Spaghetti	1	1	...
Luncheon sausage	2	2	...
Meat gelatine	1	1	...
Tripe	1	1	...
Tea	2	2	...
Curry powder	1	1	...
Baking powder	5	5	...
Flour	2	2	...
Brawn	3	3	...
Rolled oats	1	1	...
Minced beef	5	4	1
Almond & C. flavouring	5	5	...
Cake mixture	4	4	...
Beef rissoles	1	1	...
Oatmeal	1	1	...
Fruitella crystals	1	1	...
Bisto	1	1	...
Fruit cup	1	1	...
Bread	1	1	...
Lemco	1	1	...
Gelantine	2	2	...
Margarine	1	1	...
Coffee	1	1	...
Soya flour	1	1	...

Article	Formal Samples	Genuine	Not Genuine
Chocolate dessert powder	1	1	...
Pepper	2	2	...
Cheese	2	2	...
Phosphate compound	1	1	...
Horseradish cream	1	1	...
Lemon curd	1	1	...
Ground ginger	1	1	...
Chocolate pudding mixture	1	1	...
Essence of Rennet	1	1	...
Table dessert	1	1	...
Chocolate cup	1	1	...
Balsam of aniseed	1	1	...
Bicarbonate of Soda	1	1	...
Ground cinnamon	1	1	...
Meat pie	1	1	...
Black pudding	1	1	...
Semolina	1	1	...

In the case of the four samples shown to be not genuine, letters of warning were sent to the respective retailers.

RATS AND MICE DESTRUCTION ACT, 1919.

THE INFESTATION ORDER, 1943.

No statutory procedure was resorted to during the year. Where infestations are known to exist the owner or occupier is contacted and an arrangement entered into whereby (1) he either engages the services of a rat-catcher who was previously employed by the Council or (2) a supply of rat food is furnished on the understanding that, at the appropriate moment, the department is informed, after which a supply of poisoned bait is taken to the premises by the district inspector and the procedure followed up until the rats are exterminated. No charge is made for these services.

REPORT OF THE SHOPS INSPECTOR.

Legislation in Force.

The following Acts and Orders are in operation within the Thurrock Urban District.

The Shops Act, 1912.

The Shops Act, 1913.

The Shops (Hours of Closing) Act, 1928.

The Shops Act, 1934.

The Shops Act, 1936 (Libraries).

The Retail Meat Dealers Shops (Sunday Closing) Act, 1936.

The Shops (Sunday Trading Restrictions) Act, 1936.

Closing and Half-Holiday Orders.

1. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1913.
2. The Grays Thurrock Weekly Half-Holiday (No. 2) Order, 1913.
3. The Grays Thurrock Extension of Weekly Half-Holiday (No. 1) Order, 1913.
4. The Stanford-le-Hope Weekly Half-Holiday Order, 1913.
5. The Stanford-le-Hope Extension of Weekly Half-Holiday (No. 1) Order, 1913.
6. The County of Essex (Shops Exemption) (No. 5) Order, 1913.
7. The County of Essex (Shops Exemption) (No. 7) Order, 1914.
8. The County of Essex (Shops Exemption) (No. 8) Order, 1914.
9. The South Ockendon Weekly Half-Holiday (No. 2) Order, 1914.
10. The South Ockendon Weekly Half-Holiday Order, 1914.
11. The County of Essex (Shops Exemption) (No. 7) Order, 1914.
12. The Grays Thurrock Weekly Half-Holiday (No. 1) Order, 1915.
13. The Tilbury Weekly Half-Holiday (No. 1) Order, 1917.
14. The Tilbury Hairdressers Closing Order, 1917.

15. The Grays Thurrock Closing Order, 1917.
16. The Grays Thurrock Closing Order, 1922.
17. The West Thurrock Tobacconists (Hours of Closing Order), 1929.
18. The Lambourne and Stifford Tobacconists (Hours of Closing Order), 1929.
19. The Little Thurrock Tobacconists (Hours of Closing Order, 1930.
20. The Thurrock Urban District Shops (Sunday Trading Restrictions) Act, 1936, Order No. 1.

No action was taken during the year.

WARTIME DUTIES.

From a perusal of my report it will be seen that the work of the department has shown a decrease in comparison with pre-war standards. It will be appreciated that one of the Inspectors and the whole of the permanent clerical staff are in H.M. Forces, the latter being replaced with temporary staff, whilst the remaining inspectorial staff undertake the following additional duties:—

Chief Sanitary Inspector.—Evacuation Officer, Food Decontamination Officer.

Deputy Chief Sanitary Inspector.—Officer in charge of Emergency Mortuary Services, Duties in connection with decontamination of foodstuffs.

District Inspector.—Officer in charge of decontamination of clothing.

Each of the Inspectors is deputy to another in respect of one or the other of the above duties.

L. CULLISS,

Chief Sanitary Inspector.

*Section F.*PREVALENCE OF, AND CONTROL OVER, INFECTIOUS
AND OTHER DISEASES.

NOTIFIABLE DISEASES.

DISEASES	Notified	Hospital	Deaths
Scarlet Fever ...	227 4*	113 4*	—
Diphtheria ...	15 (3)	15 (3)	—
Enteric Fever (including Paratyphoid) ...	1	1	—
Puerperal Pyrexia ...	4	2	—
Pneumonia ...	68 2*	33 2*	31
Malaria ...	4	4	—
Dysentery ...	45 29*	38 29*	—
Erysipelas ...	17 2*	6 2*	—
Cerebro-spinal Fever ...	5 (1) 2*	5 (1) 2*	1
Ophthalmia Neonatorum	1	1	—
Pemphigus Neonatorum	3	—	—
Whooping Cough ...	63	—	1
Measles ...	249 2*	5 2*	—

Figures marked () indicated diagnosis not confirmed.

„ „ * „ Service patients.

AGE GROUPS, 1944.

DISEASE	Under 1 year	1-2 yrs.	2-3 yrs.	3-4 yrs.	4-5 yrs.	5-10 yrs.	10-15 yrs.	15-20 yrs.	20-35 yrs.	35-45 yrs.	45-65 yrs.	65 yrs. up.	Total
Scarlet Fever	1	3	8	14	23	111	44	6	14	2	1	...	227
Diphtheria	...	...	...	2	...	4(2)	3	2	2(1)	1	1	...	15(3)
Enteric Fever (inc. Paratyphoid)	...	...	...	...	...	...	...	...	1	...	...	...	1
Puerperal Pyrexia	...	...	...	...	...	...	...	...	4	...	...	...	4
Pneumonia	4	1	3	1	2	11	...	4	11	4	22	5	68
Malaria	...	...	...	...	...	...	...	...	4	...	...	...	4
Dysentery	...	...	1	2	2	1	2	3	25	5	4	...	45
Erysipelas	...	...	...	...	...	2	...	1	3	5	4	2	17
Cerebro-spinal Fever	(1)	...	...	...	...	1	...	1	1	...	1	...	5(1)
Ophthalmia Neonatorum	1	...	...	...	...	...	...	...	...	...	...	...	1
Pemphigus Neonatorum	3	...	...	...	...	...	...	...	...	...	...	...	3
Whooping Cough ...	5	9	6	13	6	22	2	...	...	...	...	...	63
Measles	7	25	14	31	36	116	10	6	2	2	...	...	249

Figures marked () indicate diagnosis not confirmed.

Diphtheria Immunisation Clinics :

Sessions held ...	...	...	...	62
			Under 5 years	Over 5 years
Number of children who completed the full course of immunisation between 1st Jan. and 31st Dec., 1944 ...	...	...	305	260

Supplies of A.P.T. are obtained from the Ministry of Health's laboratory, St. Margaret's Hospital, Epping.

No use has been made of measles serum for prophylaxis or attenuation.

Public Health (Prevention of Tuberculosis) Regulations, 1925.

Public Health Act, 1936, Section 172.

No action was taken under the above headings.

TUBERCULOSIS.

NEW CASES AND MORTALITY.

Age periods	New Cases				Deaths			
	Respiratory		Non-Resp'ry		Respiratory		Non-Resp'ry	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	...	1	1	1	...	...	...	...
1- 5 years	...	...	5	6	...	...	1	...
5-15 "	4	...	14	7	1	...	1	...
15-25 "	15	9	1	4	3	3	...	1
25-35 "	8	10	...	5	5	1	1	...
35-45 "	9	4	1	...	2	1	...	...
45-55 "	3	1	1	...	...	1	...	...
55-65 "	5	1	...	...	2	...	...	...
65 " } upwards }		1	...	1	1	1	...	1
Totals	44	27	23	24	14	7	3	2

